

Application No. 09/159,104
Amendment under 37 C.F.R. §1.111 dated November 18, 2004
Response to the Office Action of August 24, 2004

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (Currently Amended): An auditory sense training method for training an auditory sense of a trainee, the method comprising:

processing an original sound by attenuating a predetermined frequency region of said original sound so as to form a region attenuation processed sound;

having the trainee listen to said region attenuation processed sound; and

alternating said region attenuation processed sound with at least one of silence and said original sound;

wherein the predetermined frequency region of said ~~region attenuation processed~~ original sound is either a first region under a predetermined frequency in ~~the a~~ range between 1800 Hz and 7000 Hz, a second region over a predetermined frequency in ~~the a~~ range between 2000 Hz and 7000 Hz, or a third region which is a combination of said first region and said second region and

wherein said region attenuation processed sound is either one of or a combination of said first, second and third regions.

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Claim 2 (Canceled)

Claim 3 (Canceled)

Claim 4 (Previously Presented): The auditory sense training method according to claim 1, wherein said predetermined frequency region changes randomly among a plurality of various frequencies.

Claim 5 (Withdrawn): An auditory sense training method for training the auditory sense of a trainee, the method comprising:

having the trainee listen to a sound of channels formed in part by processing an original sound to form a processed sound: wherein

the processed sound and non-processed sound are listened to alternately by a trainee, said processed sound being formed by a process where an amplitude attenuation processed sound formed by attenuating an amplitude of the original sound of one channel is outputted to the one channel, and an amplitude attenuation processed sound formed by

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attenuating an amplitude of the original sound of the one channel is superposed to the original sound of another channel and outputted to the other channel.

Claim 6 (Withdrawn): The auditory sense training method according to claim 5, wherein said process is performed so that a sum of the amplitude attenuation processed sound being outputted to said one channel and the amplitude attenuation processed sound being outputted to said other channel is fixed for one channel signal.

Claim 7 (Withdrawn): The auditory sense training method according to claim 6, wherein said process includes a plurality of various process patterns.

Claim 8 (Withdrawn): An auditory sense training method for training the auditory sense of a trainee, the method comprising:

having the trainee listen to a sound formed in part by processing an original sound to form a phase reverse processed sound that is formed by a phase reverse process performed on said original sound for roughly reversing the phase of the original sound: wherein said original sound and the phase reverse processed sound are listened to alternately by said trainee.

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Claim 9 (Withdrawn): The auditory sense training method according to claim 8, wherein a processing time of said phase reverse process is set randomly and arranged in time order.

Claim 10 (Withdrawn): A sound processing method for auditory sense training of a trainee, the method comprising:

having the trainee listen to a sound of channels formed by sound processing an original sound: wherein

said sound processing includes attenuating the amplitude of the original sound of a first and superposing the attenuated sound of the first channel onto the original sound of a second channel;

wherein the processed sound formed by said process is outputted alternately with a sound not being formed by said process.

Claim 11 (Canceled)

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Claim 12 (Withdrawn): The sound processing method for auditory sense training disclosed in claim 10, wherein said process is characterized in that the sum of said amplitude attenuation processed sound outputted to said one channel and said amplitude attenuation processed sound outputted to said other channel is fixed for one channel signal.

Claim 13 (Withdrawn): The sound processing method for auditory sense training disclosed in claim 10, wherein said process is performed by a plurality of various process patterns.

Claim 14 (Withdrawn): A sound processing method for auditory sense training of a trainee, the method comprising:

having the trainee listen to a sound formed by processing an original sound:
wherein

a phase reverse process for reversing the phase of the original sound is performed on said original sound.

Claim 15 (Withdrawn): The sound processing method for auditory sense training according to claim 14, wherein the processing time of said phase reverse process is set randomly.

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Claim 16 (Previously Presented): The auditory sense training method according to claim 1, wherein a time of alternating said region attenuation processed sound changes randomly.

Claim 17 (Previously Presented): The auditory sense training method according to claim 1, wherein said region attenuation processed sound has a duration between 0.1 seconds and 7 seconds.

Claim 18 (Withdrawn): The auditory sense training method according to claim 6, wherein said process patterns and the processing time are set randomly and arranged in time order.

Claim 19 (Withdrawn): The auditory sense training method according to claim 5, wherein said region attenuation processed sound has a duration between 0.1 seconds and 7 seconds.

Claim 20 (Withdrawn): The sound processing method for auditory sense training disclosed in claim 10, wherein said process patterns and the processing time being set randomly and arranged in time order.

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Claim 21 (Withdrawn): The sound processing method for auditory sense training disclosed in claim 10, wherein said region attenuation processed sound has a duration between 0.1 seconds and 7 seconds.